

In the Specification:

Please delete the heading at page 1, above line 1.

Please add a new heading at page 1, above line 1, as follows:

## TITLE OF THE INVENTION

Please add a new heading at page 1, above line 2, as follows:

## FIELD OF THE INVENTION

Please add a new heading at page 1, above line 4, as follows:

## BACKGROUND INFORMATION

Please add a new heading at page 2, above line 10, as follows:

## SUMMARY OF THE INVENTION

Please replace the paragraph at page 2, line 22 to page 3, line 6, with a replacement paragraph amended as follows:

This problem is solved in that the above mentioned gas turbine component is further developed through the features of the characterizing portion of the patent claim 1. invention. According to the invention, the static gas turbine component is formed at least partially of a metal foam. In the sense of the present invention, it is proposed for the first time to embody static gas turbine components at least partially of metal foam. The use of

metal foams enables a cost effective alternative relative to MMC materials and a significant weight savings.

Please add a new paragraph at page 3, following line 6, as follows:

According to a particular preferred embodiment, the invention is directed to a gas turbine engine comprising a rotatable rotor with rotor blades, seal fins on radially outer blade tips of the rotor blades, and an abradable shroud lining arranged circumferentially around the blade tips such that the seal fins graze the abradable shroud lining, wherein:

the abradable shroud lining comprises a carrier and an open-pored metal foam that is rigidly connected with the carrier,

the metal foam of the abradable shroud lining is bare and exposed and arranged relative to the rotor so that the seal fins directly graze the metal foam, and

the carrier has holes therein allowing gas communication through the holes and through the open-pored metal foam in a radial gas flow direction as defined with respect to an axis of the gas turbine engine.

Please add a new heading at page 3, above line 7, as follows:

#### BRIEF DESCRIPTION OF THE DRAWINGS

Please replace the paragraph at page 3, lines 7 to 11, with a replacement paragraph amended as follows:

~~Preferred further developments of the invention arise from the dependent claims and the following description.~~  
Example embodiments of the invention are described in further detail, without being limited to this, in connection with the drawing. Therein it is shown by:

Please add a new heading at page 5, above line 19, as follows:

DETAILED DESCRIPTION OF EXAMPLE EMBODIMENTS OF THE INVENTION

Please replace the paragraph at page 9, lines 9 to 18, with a replacement paragraph amended as follows:

Figs. 5 to 8 show example embodiments of static gas turbine components according to the invention, in which the inventive components form a lining or facing of an inlet or intake, i.e. an intake so-called running-in lining or abradable shroud lining. Thus, Fig. 5 shows a first inventive intake abradable shroud lining 27, that is formed of a metal foam 28, whereby the metal foam 28 is fixedly or rigidly connected with a carrier 29. The intake abradable shroud lining 28 serves for the wear-free or low-wear grazing of a rotating rotor blade 30 of the gas turbine. The intake lining 27 remains stationary or fixed relative to the rotating rotor blade 30 and thus forms a static gas turbine component.

Please replace the paragraph at page 9, lines 19 to 24, with a replacement paragraph amended as follows:

Fig. 6 shows a further intake abradable shroud lining 31, which again is formed of a metal foam 28 and a carrier 29 fixedly or rigidly connected with the metal foam 28. The intake lining 31 of the Fig. 6 also serves for the grazing of radially outer ends of rotating rotor blades of the gas turbine, whereby the carrier 29 of the intake lining 31 of the Fig. 6 takes on a thermal isolation function.

Please replace the paragraph at page 10, lines 1 to 18, with a replacement paragraph amended as follows:

Fig. 7 shows a further inventive intake abradable shroud lining 32, which again consists of a metal foam 28 and a carrier 29 allocated to the metal foam 28 as well as being fixedly or rigidly connected with the metal foam 28. The static or stationary intake lining 32 of the Fig. 7 cooperates with labyrinth seals 33, which are also referred to as seal fins. Such seal fins have different external radii, as is schematically illustrated in Fig. 7, so that the intake lining 32 provided by the metal foam 28 has a stepped contour. The inner diameter of the intake lining 32 provided by the metal foam 28 is adapted or fitted to the outer diameter of the labyrinth seals 33. It is noted that the embodiment of the intake lining 32 according to Fig. 7 is a particularly preferred embodiment of the present invention, because the honeycomb construction of

the ~~intake~~ lining known from the state of the art can be replaced with such a metal foam ~~intake~~ lining that cooperates with labyrinth seals. As already mentioned, the metal foam 28 is fixedly or rigidly connected with the carrier 29, especially glued or soldered thereto.

Please replace the paragraph at page 10, lines 19 to 27, with a replacement paragraph amended as follows:

Fig. 8 shows a further inventive ~~intake~~ abradable shroud lining 34, which again is formed of a metal foam 28 and a carrier 29 for the metal foam. In the example embodiment of Fig. 8, openings or bored holes 35 are introduced into the carrier 29. In the sense of the arrows 36, a gas flow can be directed through the bored holes 35 for cooling, whereby in this case, the metal foam 28 is embodied opened-celled or open-pored. Such an open-pored embodied metal foam 28 can be flowed-through by gas. This is indicated by the arrows 37.

[RESPONSE CONTINUES ON NEXT PAGE]